



# THN

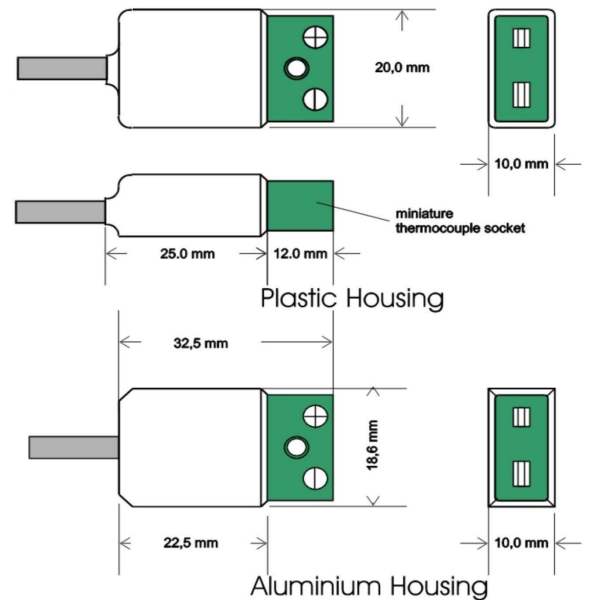
## Digital & Analog Thermocouple connector conditioner

<b>Range</b>	From -100 to +400°C To 0 to +1250°C
<b>Type</b>	K, J, T...
<b>Cold error junction</b>	± 0.7 °C
<b>Accuracy digital output</b>	± 0.5 °C
<b>Accuracy analog output</b>	± 0.25 % FS
<b>Sensitivity</b>	Linear, See calibration table
<b>Sampling frequency</b>	5 Hz
<b>Supply voltage</b>	5 to 16V 12 to 33V
<b>Supply current</b>	3 mA
<b>Output voltage</b>	0 – 5 V
<b>Output impedance</b>	47 Ω
<b>Plastic housing "P" type</b>	37x20x10 mm
<b>Aluminium housing "A" type</b>	32.5x19x10 mm
<b>Weight (without cable)</b>	15 g
<b>Operating temp</b>	-40 to + 125°C
<b>Storage temp</b>	-40 to + 125°C

1 m cable of 4X26AWG FEP  
tinned copper braided cable 250V 200°C

**Red** Supply  
**White** Signal  
**Blue (or Black)** 0 V GND  
**Green\*** Serial Data

\* Only with Texense USB-Connect



Calibration table (Example for 0-5V output)

Target °C	-50 to +200 20mV/°C	-100 to +400 10mV/°C	0 to 1250 4mV/°C
-100		0.00	
-50	0.00	0.50	
0	1.00	1.00	0.00
50	2.00	1.50	0.20
100	3.00	2.00	0.40
150	4.00	2.50	0.60
200	5.00	3.00	0.80
300		4.00	1.20
400		5.00	1.60
600			2.40
800			3.20
1000			4.00
1250			5.00

Ordering ref	ex : THN-K-200-12-5-P
THN - Type - Range - Supply - Output - Housing	
K	200
J	400 (5-16)
T	1250
...	... (12-33)
	5
	10
	P
	A
	P : PET Plastic A : Aluminium

**TEXYS INTERNATIONAL**  
ZA des Chamonds  
Rue Edouard Branly  
58640 Varennes-Vauzelles  
(FRANCE)  
Tel. : +33 (0) 3 86 21 27 18  
Fax : +33 (0) 3 86 21 24 49

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specific citations and features described in this document.